Algebra I Class Work 10.1

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: You may use your book, notes, calculator, friends, and teacher. However you may not copy someone else work verbatim. **Show all your work.** If you are not finished at the end of class, write “NEED MORE TIME” at the top and turn your paper in – **you may not take it home.** You have one week to finish it.

Find the GCF.

1. $3x^{2}y^{5} and 12xy^{3}$
2. $25a^{7}bc and-15a^{2}b^{2}$

Factor. If it does not factor write prime.

1. $5x^{2}y^{3}+15xy^{4}$
2. $a^{3}b^{2}-a^{2}b+4b$
3. $3ac-7bc+5ab$
4. $36x^{8}y^{4}+60x^{5}y^{6}z$